

CalCOFI: Sampling by category

Hydrographic

CTD Sensors:

Temperature

Conductivity

Oxygen

Fluorescence

Transmissometer

PAR

pH

Bottle Samples:

Salinity

Oxygen

Nutrients

Primary Productivity

Chlorophyll-a

Phaeopigments

HPLC

DIC

LTER ancillary

Ichthyoplankton & Zooplankton

Nets & CUFES:

Bongo net, 210m - all stations

Manta neuston net, all stations

PRPOOS vertical net, lines 80 & 90, 86.7 & 83.3 coastal only

Paironet vertical net, 100m (coastal stations only to 70 m)

Continuous Underway Fish Egg Sampler (CUFES)

Primary productivity, fractionations, POC/DOC, DIC, Acoustics, Birds and Mammals

Supplementary Data:

SCS, Underway continuous surface and meteorological measurements

Primary Productivity, Daily C14-uptake incubations

Ancillary LTER, Plankton abundance, biomass, Chl a size fractionations, POC, DOC

Acoustics (5 frequencies)

DIC, 10 stations: 93.3-30, 90-90, 90-60, 90-53, 90-30, 86.7-35, 81.8-46.9, 80-55, 80-80, 80-90

Seabirds, Visual Observations

Cetaceans, Visual and Passive acoustic surveys